

IN THE CLAIMS

1. (currently amended) A glass composition comprising 59-66 mol % SiO₂, 14.5-15.0-18.0 mol % Al₂O₃, 8.5-12.0 mol % Na₂O, 2.5-6.5 mol % K₂O, 2.5-9.0 mol % CaO, 0.0-3.0 mol % MgO, 0.0-3.0 mol % SrO, 0.0-3.0 mol % BaO, and 0.0-5.0 mol % MgO+SrO+BaO, and 0.0-0.45 mol % B₂O₃.
2. (original) The glass composition of claim 1 having a liquidus temperature of 1100°C or less.
3. (original) The glass composition of claim 1 having a viscosity at a liquidus temperature of at least 10⁵ poise.
4. (original) The glass composition of claim 1 having a viscosity at a liquidus temperature in excess of 4 x 10⁵ poise.
5. (original) The glass composition of claim 1 having a linear coefficient of thermal expansion of 80 to 95 x 10⁻⁷/°C over a temperature range of 25 to 300°C.
6. (currently amended) The glass composition of claim 5 having a linear coefficient of thermal expansion of 87 to 92 x 10⁻⁷/°C over a temperature range of 25 to 300°C.
7. (original) The glass composition of claim 1 having a strain point greater than 580°C.
8. (original) The glass composition of claim 7 having a strain point of at least 640°C.
9. (currently amended) The glass composition of claim 1 further comprising at least one oxide selected from the group consisting of B₂O₃, P₂O₅, Li₂O, Y₂O₃, La₂O₃, and ZnO in a total amount not exceeding 5 mol %.
10. (original) The glass composition of claim 1 wherein a molar ratio of Na₂O to K₂O is approximately 1.0.

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11. (original) The glass composition of claim 1 wherein a molar ratio of Na_2O to K_2O is in a range from 1.2 to 3.0.

12. (original) The glass composition of claim 1 comprising 60-65 mol % SiO_2 , 15.5-17.0 mol % Al_2O_3 , 9.5-11.0 mol % Na_2O , 3.5-5.5 mol % K_2O , 3.5-8.0 mol % CaO , 0.0-2.0 mol % MgO , 0.0-2.0 mol % SrO , 0.0-2.0 mol % BaO , and 0.0-3.0 mol % $\text{MgO}+\text{SrO}+\text{BaO}$.

13. (currently amended) The glass composition of claim 1 further comprising at least one oxide selected from the group consisting of B_2O_3 , P_2O_5 , Li_2O , Y_2O_3 , La_2O_3 , and ZnO in a total amount not exceeding 3 mol %.

14. (currently amended) A glass composition comprising 59-66 mol % SiO_2 , ~~14.5~~15.0-18.0 mol % Al_2O_3 , 8.5-12.0 mol % Na_2O , 2.5-6.5 mol % K_2O , 2.5-9.0 mol % CaO , 0.0-3.0 mol % MgO , 0.0-3.0 mol % SrO , ~~and 0.0-3.0 mol % BaO , and 0.0-0.45 mol % B_2O_3 .~~

15. (original) The glass composition of claim 14, wherein $\text{MgO}+\text{SrO}+\text{BaO}$ are present in a total amount of 0-5 mol %.

16. (original) The glass composition of claim 14, comprising 60-65 mol % SiO_2 , 15.5-17.0 mol % Al_2O_3 , 9.5-11.0 mol % Na_2O , 3.5-5.5 mol % K_2O , 3.5-8.0 mol % CaO , 0.0-2.0 mol % MgO , 0.0-2.0 mol % SrO , and 0.0-2.0 mol % BaO .

17. (original) The glass composition of claim 16, wherein $\text{MgO}+\text{SrO}+\text{BaO}$ are present in a total amount of 0-3 mol %.

18. (currently amended) A glass composition comprising 59-66 mol % SiO_2 , 14.5-18.0 mol % Al_2O_3 , 8.5-12.0 mol % Na_2O , 2.5-6.5 mol % K_2O , 2.5-9.0 mol % CaO , 0.0-3.0 mol % MgO , 0.0-3.0 mol % SrO , 0.0-3.0 mol % BaO , ~~and 0-5 mol % $\text{MgO}+\text{SrO}+\text{BaO}$, and 0.0-0.45 mol % B_2O_3 ,~~ the glass composition exhibiting a strain point of at least 640°C and a linear coefficient of thermal expansion of 80 to $95 \times 10^{-7}/^\circ\text{C}$ over a temperature range of 25 to 300°C.

19. (original) The glass composition of claim 18 having a liquidus temperature of 1100°C or less.

20. (original) The glass composition of claim 18 having a viscosity at a liquidus temperature of at least 10^5 poise.

21. (original) The glass composition of claim 18 having a viscosity at a liquidus temperature in excess of 4×10^5 poise.

22. (original) The glass composition of claim 18 comprising 60-65 mol % SiO_2 , 15.5-17.0 mol % Al_2O_3 , 9.5-11.0 mol % Na_2O , 3.5-5.5 mol % K_2O , 3.5-8.0 mol % CaO , 0.0-2.0 mol % MgO , 0.0-2.0 mol % SrO , 0.0-2.0 mol % BaO , and 0.0-3.0 mol % $\text{MgO}+\text{SrO}+\text{BaO}$.

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23. (currently amended) A glass substrate for an electronic display device, comprising 59-66 mol % SiO_2 , ~~14.5~~15.0-18.0 mol % Al_2O_3 , 8.5-12.0 mol % Na_2O , 2.5-6.5 mol % K_2O , 2.5-9.0 mol % CaO , 0.0-3.0 mol % MgO , 0.0-3.0 mol % SrO , 0.0-3.0 mol % BaO , ~~and~~ 0.0-5.0 mol % $\text{MgO}+\text{SrO}+\text{BaO}$, and 0.0-0.45 mol % B_2O_3 .

24. (currently amended) A glass substrate for an electronic display device, comprising:
a flat, transparent glass exhibiting a strain point of at least 640°C and a linear coefficient of thermal expansion of 80 to $95 \times 10^{-7}/^\circ\text{C}$ over a temperature range of 25 to 300°C, the glass comprising 59-66 mol % SiO_2 , 14.5-18.0 mol % Al_2O_3 , 8.5-12.0 mol % Na_2O , 2.5-6.5 mol % K_2O , 2.5-9.0 mol % CaO , 0.0-3.0 mol % MgO , 0.0-0.3 mol % SrO , 0.0-3.0 mol % BaO , ~~and~~ 0.0-5.0 mol % $\text{MgO}+\text{SrO}+\text{BaO}$, and 0.0-0.45 mol % B_2O_3 .

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25. (currently amended) A method of producing a glass panel for an electronic device, comprising:

melting a glass batch comprising 59-66 mol % SiO_2 , ~~14.5~~15.0-18.0 mol % Al_2O_3 , 8.5-12.0 mol % Na_2O , 2.5-6.5 mol % K_2O , 2.5-9.0 mol % CaO , 0.0-3.0 mol % MgO , 0.0-3.0 mol % SrO , 0.0-3.0 mol % BaO , ~~and~~ 0.0-5.0 mol % $\text{MgO}+\text{SrO}+\text{BaO}$, and 0.0-0.45 mol % B_2O_3 ; and drawing a thin sheet of molten glass from the melt.

26. (original) The method of claim 25, wherein the glass sheet is drawn by the fusion draw process.

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